

## CLAIMS

1. A variant of a parent *Coprinus* laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 1:

5 F21,  
H91,  
F112,  
H133,  
H153,  
10 Y176,  
H230,  
H309,  
F335,  
Y347,  
S349,  
Y375,  
Y416,  
F449,  
E455,  
20 F456, and/or  
Y490.

2. A variant of a parent *Myceliophthora thermophila* laccase, which comprises a mutation in a position corresponding to at least one of the following positions in SEQ ID No. 10:

25 V52,  
G121,  
F141,  
Y177,  
H206,  
30 M260,  
P336,  
V406,  
T365,  
I380,

I382

A506,

W507, and/or

W543.

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3. A DNA construct comprising a DNA sequence encoding a laccase variant of claim 1.

4. A recombinant expression vector which carries a DNA construct of claim 3.

10 5. A cell which is transformed with a DNA construct of claim 3.

6. A cell of claim 5, which is a microorganism.

7. A cell of claim 6, which is a bacterium or a fungus.

8. A cell of claim 7, which is an *Aspergillus niger* or an *Aspergillus oryzae* cell.

9. A method for oxidizing a substrate, comprising contacting the substrate with a laccase variant of claim 1.

10. A method for inhibiting dye transfer during washing of fabrics, comprising adding a laccase variant of claim 9 during washing.

11. A method for bleaching a textile, comprising applying a laccase variant of claim 9 to the  
25 textile.

12. A detergent additive comprising a laccase variant of claim 1 in the form of a non-dusting granulate, a stabilised liquid or a protected enzyme.

30 13. A detergent additive of claim 12, which additionally comprises one or more other enzyme such as a protease, a lipase, an amylase, and/or a cellulase.

14. A detergent composition comprising a laccase variant of claim 1 and a surfactant.

15. A detergent composition of claim 14 which additionally comprises one or more other enzymes such as a protease, a lipase, an amylase and/or a cellulase.

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